STUDENT HANDBOOK

2013 - 2014
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THE MARINE SCIENCE MAJOR

The major in Marine Science integrates the study of Biology, Chemistry, Geology, Physics and Mathematics and applies these to the marine environment. Major courses are selected from Marine Science, Biology, Chemistry, Computer Science, Geography, Geology, Mathematics, Statistics, or Physics. Students are encouraged to select an area of emphasis in marine biology, coastal geology, marine chemistry, atmosphere/ocean dynamics, or marine analytical technology. Lecture, laboratory, and field experiences are integrated to provide a well-rounded scientific program. The facilities available for Marine Science majors include a lecture and laboratory complex, a computer research lab, ocean-going and estuarine research vessels, and a full complement of oceanographic sampling equipment. Laboratories and research projects are conducted at various coastal habitats, including Waties Island, a barrier island, marsh and upland complex owned by the University. Marine science graduates are employed as marine and environmental researchers for government agencies, universities, and private industry; as marine and environmental educators; as high school and middle school science teachers; and in the fields of marine and environmental management and policy. Outstanding students are encouraged to pursue graduate study.

EDUCATIONAL OBJECTIVES

Students who graduate with a B. S. in Marine Science should be able to:

1. Explain the principles, concepts, applications, and inter-relations of biology, chemistry, geology, physics, and mathematics, as they apply to the marine environment.
2. Use the scientific method to describe, analyze, and solve scientific problems involving marine science and related fields.
3. Exhibit proficiency in the use of technology, critical thinking, and quantitative tools used in marine science applications.
4. Successfully pursue entry-level jobs or enter graduate programs in various scientific fields.
5. Interact and communicate effectively with peers, mentors, and the larger community.
FACULTY AND STAFF

Dr. Daniel Abel (Professor, Academic Advisor) has research interests in the fields of shark biology and environmental science. His interests also include innovative techniques for teaching critical thinking skills. He is the co-author of the textbooks Environmental Issues: An Introduction to Sustainability and Issues in Oceanography; is director of the CCU Campus and Community Sustainability Initiative, and is a Senior Fellow with the U.S. Partnership for Education for Sustainable Development. Dr. Abel's office is located in the Coastal Science Center (CSCC) and his office phone number is 843-349-2257 (email: dabel@coastal.edu).

Dr. George Boneillo (Lecturer) has research interests in plankton ecology and nutrient dynamics in coastal ecosystems. He has been studying the causes and impacts of harmful algal blooms. His research has focused primarily on *Aureococcus anophagefferens*, the organism responsible for brown tides. Dr. Boneillo’s office is located in the Coastal Science Center (CSCC) and his office phone number is 843-349-5068 (email: gboneillo@coastal.edu).

Dr. Erin Burge (Associate Professor of Marine Science, Academic Advisor) is a molecular marine biologist who has investigated numerous topics, including host-pathogen interactions between striped bass and mycobacteria, shrimp immune gene expression, ecotoxicology in the mummichog, and the environmental immunology of oysters. His teaching and research focus on molecular mechanisms of immunity and physiological adaptation to pathogens and environmental stressors in fish, crustaceans, and mollusks. Dr. Burge's office is located in the Coastal Science Center (CSCC) and his office phone number is 843-349-6491 (e-mail: eburge@coastal.edu).

Dr. Diane Fribance (Assistant Professor of Marine Science, Academic Advisor) received a B.A. in Computer Science from Williams College in 2003, and has a Masters and a Ph.D. in Oceanography from the University of Connecticut. She was the recipient of a National Research Council fellowship and spent two years working for the Naval Research Laboratory at Stennis Space Center in Mississippi. Her research focuses on the physics of the coastal oceans, including estuarine health and circulation, effects of hurricanes on coastal transport, and the connections between seafloor topography and mixing rates. (email: dfribance@coastal.edu).

Dr. Paul Gayes (Palmetto Professor of Marine Science and Geology, Academic Advisor) is a coastal oceanographer and is active in studies of the evolution of coastal systems on a range of time and spatial scales. He is Director of Coastal Carolina’s Center for Marine and Wetland Studies. He is currently involved in numerous frameworks for geologic studies, investigations of the behavior and impacts of nourished beaches, study of nearshore hardbottom habitats and inner shelf resources and relative sea level change. Present study areas include the beaches and inner shelf along the east coast. Dr. Gayes’ office is in the Burroughs and Chapin Center for Marine and Wetland Studies (BCMW), which is located in the Atlantic Center. His office phone is 843-349-4015 (email: ptgayes@coastal.edu).

Dr. Craig Gilman (Associate Professor, Academic Advisor) has research interests that lie in the interdisciplinary field of atmosphere/ocean dynamics and satellite oceanography. Several of his recent research projects encompass Gulf Stream dynamics, hurricane formation, and impacts of El Nino. Dr. Gilman’s office is located in the Coastal Science Center (CSCC) and his office phone number is 843-349-2228 (email: gilman@coastal.edu).
Dr. Jane Guentzel (Department Chair, Professor, Academic Advisor) is a marine and environmental chemist whose research focuses on the biogeochemistry of mercury and other trace elements in aquatic systems; the influence of atmospheric deposition and transport on the cycling of mercury and trace elements in these systems; the use of near-neutral electrolyzed water (EOW) solutions and as alternatives to traditional fungicides in pre-harvest agricultural/growing operations; and post-harvest food safety applications using near neutral EOW for the control of bacteria on fruits, vegetables and row crops. Dr. Guentzel's office is located in the Coastal Science Center room 151J and her office phone number is 843-349-2374 (email: jguentze@coastal.edu).

Dr. Juliana Harding (Assistant Professor, Academic Advisor) is a marine biologist with interests in biology and ecology of invasive species, sclerochronology and scleroarchaeology, restoration and conservation ecology, larval biology and culture, molluscan ecology, population dynamics, and aquaculture. Her research focuses on marine community ecology. Dr. Harding’s office is located in the Coastal Science Center, room 151-C. Her office phone number is 843-349-2983 (email: jharding@coastal.edu).

Dr. Jenna Hill (Assistant Professor, Academic Advisor) is a marine and coastal geologist with interests in fluvial, coastal and continental shelf morphology, sedimentation, and stratigraphy. Her research focuses on the influences of climate, sea level and tectonics on landscape evolution. Dr. Hill’s office is located in the Burroughs and Chapin Center for Marine and Wetland Studies (BCMW), which is located in the Atlantic Center. Her office phone number is 843-349-4027 (email: jchill@coastal.edu).

Dr. Louis Keiner (Associate Professor) has research interests that lie in the areas of satellite remote sensing and coastal ocean dynamics. He is currently involved in projects that deal with the analysis of oceanic chlorophyll concentrations and sea surface temperatures off the South Carolina coast, as well as the use of neural network algorithms to analyze satellite data, and the current dynamics of coastal inlets. Dr. Keiner's office is located in the Cathcart Smith Science Building (SCIE) room 118B and his office phone number is 843-349-2226 (email: lkeiner@coastal.edu).

Dr. Eric Koepfler (Professor, Academic Advisor) specializes in the field of microbiology ecology. He has conducted research in both benthic and pelagic systems ranging from freshwater (James River in Virginia) to hypersaline benthic (Laguna Madre in Texas) environments. His specific research interest is in the examination of microbial involvement in carbon production, food web dynamics, and biogeochemical nutrient cycling. He is presently researching microbial community response to maturation of tidal marsh creek systems associated with sea level rise. Dr. Koepfler's office is located in the Coastal Science Center (CSCC) and his office phone number is 843-349-2222 (email: eric@coastal.edu).

Dr. Brent Lewis (Associate Professor, Academic Advisor) is a marine and environmental chemist. His research focuses on environmental oxidation-reduction processes and the geochemical cycling/chemical speciation of metals in marine and freshwater environments. Current research topics include seasonal hypoxia in Long Bay, the determination of the magnitude of near-shore submarine groundwater discharge and associated nutrient and metal fluxes into Long Bay and applications of voltammetric microelectrodes for studies in local saltmarsh environments. Dr. Lewis' office is located in the Cathcart Smith Science Building (SCIE) room 209 and his office phone number is 843-349-4193 (email: blewis@coastal.edu).
Dr. Susan Libes (Professor, Academic Advisor) is a marine and environmental chemist who conducts research on aquatic and marine pollution. She also is the Director of the Waccamaw Watershed Academy and the Program Director of the Environmental Quality Lab, which is certified by the state of South Carolina to perform water quality measurements. This laboratory, under the direction of Dr. Libes, is used to train students for careers in environmental chemistry and marine analytical technology. Dr. Libes also is the author of a textbook in marine chemistry that is used in graduate and undergraduate programs worldwide. Dr. Libes' office is located in the Burroughs and Chapin Center for Marine and Wetland Studies (BCMW), which is located in the Atlantic Center. Her office phone number is 843-349-4028 (email: susan@coastal.edu).

Ms. Margaret (Mandy) Stoughton (Lecturer) is a biological oceanographer whose research interests include bio-optical modeling and photosynthesis of seagrass. Ms. Stoughton’s office is located in the Coastal Science Center (CSCC), room 151-G. Her office phone number is 843-349-2236 (email: mstoughto@coastal.edu).

Dr. Keith Walters (Professor, Academic Advisor) is a marine ecologist currently studying invertebrate population and community ecology within estuarine systems. A former Fulbright scholar, Dr. Walters' research experiences range from investigating arctic sea-ice communities in Prudhoe Bay, Alaska, to subtropical seagrass systems in Brisbane, Australia. Recent research interests include wetland and oyster reef dynamics and restoration, terrestrial boundary development effects on wetlands, trait-mediated predation effects on estuarine invertebrate populations, and salt marsh plant-animal interactions. Dr. Walters' office is located outside the Smith Science Center (SCI) and his office phone number is 843-349-2219 (email: kwalt@coastal.edu).

Dr. Eric Wright (Associate Professor, Academic Advisor) is a marine and coastal geologist. His research interests focus on the geologic development and sedimentology of coastal, shelf and wetland environments. Dr. Wright's office is located in the Coastal Science Center (CSCC) and his office phone number is 843-349-2945 (email: ewright@coastal.edu).

Dr. Robert Young (Professor, Academic Advisor) is a marine biologist whose research interests include the ecology, behavior, and management of fishes and marine mammals, as well as other areas of coastal and estuarine ecology. A former president of the South Carolina Marine Educators Association, he has been involved in numerous marine education programs for students, teachers, and the community. Dr. Young's office is located in the Coastal Science Center (CSCC) and his office phone number is 843-349-2277 (email: ryoung@coastal.edu).

**STAFF**

Walter M. Showers (Laboratory Specialist) oversees the operation, safety and maintenance of the Marine Science laboratories, lab prep areas, stockrooms, and equipment maintenance. Mr. Showers is located in CSCC Room 310. Office Phone: 843-349-6518. (email: wshowers@coastal.edu)

Susan E. Soucy (Administrative Assistant) assists the Chair of the Marine Science Department. Her responsibilities include running the departmental office and various budgetary duties, including reports, purchasing, and travel. Mrs. Soucy also hires, trains, and supervises several Work-Study students who help keep the office running smoothly, and she attends to the needs of students who wish to change their advisor and/or their major and who have various other academic concerns. Mrs. Soucy is located in CSCC Room 151-I. Office Phone: 843-349-2219. Fax: 843-349-2545. (email: soucy@coastal.edu)
DEGREE REQUIREMENTS FOR
B.S. IN MARINE SCIENCE

Disclaimer: The University Catalog represents the official requirements for the degree. We have tried to make this handbook error-free, but if a discrepancy is found between the University Catalog and this Marine Science Student Handbook, the Catalog takes precedence.

Students must earn a grade of C or better in all major and upper-level science courses. Students who have not earned a C or better in a Mathematics course within one year of enrollment at Coastal Carolina University are considered to be at risk for the Marine Science program.

I. CORE CURRICULUM (38-41 Credits)
English 101, and English 102 or 211 6
Humanistic concepts (choose one course from 2 of the 3 disciplines in list below) 6
   ENGL 205, 231, 287, 288, HIST 101, 102, 202, PHIL 101, 102, THEA 130
Foreign Language 3-6
   Six credit hours in sequence or three credit hours at 130 level or higher.
Global Studies Awareness (choose one) 3
   Option 1 – completion of an approved Study Abroad Course
   Option 2 – completion of one of the following: ANTH 102, CBAD 120, ECON 150, ENGL 275, 276, 277, GEOG 121, HIST 111, 112, HONR 101, POLI 101, RELG 103
Structure and Development of the United States (choose one) 3
   HIST 201 or POLI 201
Human Health and Behavior (choose one) 3
   ECON 110, EXSS 122, HPRO 121, RSM 120, PSYC 101, SOC 101, WGST 103
Creative Expression (choose one) 3
   ARTH 105, 106, 107, ARTS 102, ENGL 201, MUS 110, 257, 258; THEA 101, 201
Math, Science, and Communication requirements listed under “Foundation Courses” 11

II. FRESHMAN GRADUATION REQUIREMENT (0-3 Credits)
University 110 0-3

III. FOUNDATION COURSES (34 Credits)
Mathematics 160*, 161 8
Statistics 201/201L 4
Marine Science 111/111L*, 112/112L 8
Marine Science 201 3
Biology 121, 122 6
   (Students planning to take advanced biology courses are advised to take Biology 121L, as it is a prerequisite for upper-level courses.)
Chemistry 111/111L, 112/112L 8
Physics 211/211L, 212/212L 8

A "C" or better is required in all foundation courses except Biology 121, Chemistry 111/111L and MATH 161.
* MATH 160, MSCI 111/111L, and MSCI 201 also satisfy Core Curriculum math, science, and communication requirements. Though listed above under Foundation Courses, their credits are counted toward the total credits for the Core Curriculum and not toward the Foundation total.
IV. MAJOR REQUIREMENTS (36 Credits)

Marine Science 301/301L 4
Marine Science 302/302L 4
Marine Science 304/304L 4
Marine Science 305/305L 4
Science courses from the following list, including at least 8 credits designated as Marine Science: 20
- Chemistry Courses numbered 300 and above
- Computer Science 140, 150, and courses numbered 310 and above
- Geography 201, 205
- Geology Courses numbered 300 and above
- Marine Science Courses numbered 300 and above
- Mathematics Courses numbered 240 and above, except 397
- Physics Courses numbered 300 and above
- Statistics Courses numbered 300 and above

A "C" or better is required for all Major Requirements. No more than 6 hours of independent study, internship, and/or directed under graduate research and/or senior thesis may be used for major credit.

Recommended Areas of Study in Marine Science

Students interested in graduate school and/or specific areas of interest in marine science are encouraged to pursue one of the following areas of emphasis:
- Atmosphere/Ocean Dynamics
- Coastal Geology
- Marine Analytical Technology
- Marine Biology
- Marine/Environmental Chemistry

Recommended courses for these areas of emphasis can be found in the Marine Science Student Handbook or on the Department of Marine Science web pages. Students interested in graduate school are encouraged to investigate the specific admissions requirements for target graduate programs. Each student will develop their academic plan in consultation with their Marine Science advisor.

V. COGNATE OR MINOR REQUIREMENTS (0 Credits)

Students majoring in Marine Science are not required to complete a minor or cognate. However, they may elect to minor in any field in which Coastal Carolina offers a minor. If the minor includes courses which can be used for Marine Science major credit, then up to 8 hours of those courses may also be applied toward the Marine Science major’s upper level science requirement of 36 hours. Students seeking minors must have an adviser selected from the department offering the minor in addition to their Marine Science adviser.

VI. ELECTIVES (6-12 Credits)

TOTAL CREDITS REQUIRED 120
AREAS OF EMPHASIS

Students may elect to intensively study an area of interest in Marine Science by selecting an area of emphasis. Each student will plan his or her academic plan in consultation with a Marine Science Advisor.

The following areas of emphasis are recommendations only and do not represent required courses toward a degree program, unless specified for a specific minor or double major.

ATMOSPHERE / OCEAN DYNAMICS (for students interested in pursuing graduate studies in physical oceanography, atmospheric science or other physical sciences)

Recommended Major and/or Elective Courses:
Mathematics 260 and 344, and any MATH/STAT 300 or above (excluding MATH 330)…………………………………………………………………………………9
Computer Science 206 or 207 or 208 or 209…………………………………………………………3
Marine Science 321/321L…………………………………………………………………………4
Other Related Advanced Courses (At least 4 credits with Marine Science prefix)

COASTAL GEOLOGY (for students interested in pursuing careers or graduate study in geologic processes that shape and change the coastal zone and the evolution of the coastline's unique environments)

Recommended Major and/or Elective Courses:
Marine Science 316/316L and choose at least 8 credits from Marine Science 416/416L, 444/444L 445/445L, 399, 497, 499, GEOL 300 or above………………………………12
Other related courses: MSCI 331\331L, 401/401L, 402/402L; PHYS 430, 431, 432; and additional Math and CSCI courses.

MARINE ANALYTICAL TECHNOLOGY (for students interested in pursuing careers as field or lab technicians in the marine sciences)

Recommended Major and/or Elective Courses:

MARINE BIOLOGY (Four general areas of study are available for students interested in the biology of the marine environment.)

General Marine Biology provides a broad background in marine biological topics.

Recommended Major and/or Elective Courses:
Marine Biology Core: Choose from the following courses (Marine Science 331, 355, 376, 399, 420, 455, 458, 471, 473, 474, 475, 476, 477, 478, 479, 495, 497, 499, Biology 310, 426, and associated labs)………………………………………………………20

Graduate School bound students should take as many of the recommended courses as possible and either minor or double major in Biology.

Recommended Major and/or Elective Courses:
Biology or Marine Science/Biology courses including at least 2 of the following: Biology 340/340L, 350/350L, 370/370L………………………………………………………12 (recommend prioritizing 340 and 350, since ecological concepts from 370 are taught in numerous Marine Science courses)
Choose from Marine Science courses from the Marine Biology Core and Chemistry 331/331L, 332/332L…………………………………………………………………12

MARINE / ENVIRONMENTAL CHEMISTRY (for students interested in pursuing careers or
graduate study in marine and/or environmental chemistry)

Recommended Major and/or Elective Courses:
Chemistry 331/331L, 332/332L, 321/321L ..........................................................12

DOUBLE MAJORS

Students may double major in any program which offers a B.S. degree. To complete a double major, students must satisfy the major requirements for both programs and complete a minimum combined total of 48 upper-level credits in the two majors, all with a grade of "C" or better.

COGNATES OR MINORS

Students majoring in Marine Science are not required to complete a minor or cognate. However, they may elect to minor in any field in which Coastal Carolina offers a minor. If the minor includes courses which can be used for Marine Science major credit, then up to 8 hours of those courses may also be applied toward the Marine Science major’s upper level science requirement of 36 hours. Students seeking minors must have an adviser selected from the department offering the minor in addition to their Marine Science adviser. Commonly, Marine Science students elect to minor in Biology, Chemistry, Coastal Geology, Computer Science, Environmental Science, Mathematics, Physics, or Statistics.

A grade of C or better is required in each course to be applied toward the minor.

LIST OF MARINE SCIENCE COURSES (MSCI)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>101</td>
<td>The Sea. (3) (not available for major credit)</td>
<td></td>
</tr>
<tr>
<td>101L</td>
<td>Laboratory for The Sea. (1) (not available for major credit)</td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>Environmental Geology. (3) (not available for major credit)</td>
<td></td>
</tr>
<tr>
<td>102L</td>
<td>Environmental Geology Laboratory. (1) (not available for major credit)</td>
<td></td>
</tr>
<tr>
<td>103</td>
<td>Navigation and Seamanship. (3) (not available for major credit)</td>
<td></td>
</tr>
<tr>
<td>111</td>
<td>Introduction to Marine Science. (3) and 111L Introduction to Marine Science Laboratory. (1)</td>
<td></td>
</tr>
<tr>
<td>112</td>
<td>The Origin and Evolution of the Marine Environment. (3) and 112L Marine Environment Laboratory. (1)</td>
<td></td>
</tr>
<tr>
<td>201</td>
<td>Scientific Communication. (3)</td>
<td></td>
</tr>
<tr>
<td>301</td>
<td>Physical Oceanography. (3) and 301L Physical Oceanography Laboratory. (1)</td>
<td></td>
</tr>
<tr>
<td>302</td>
<td>Marine Biology. (3) and 302L Marine Biology Laboratory. (1)</td>
<td></td>
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<tr>
<td>303</td>
<td>Aquaculture. (3)</td>
<td></td>
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<tr>
<td>304</td>
<td>Marine Geology. (3) and 304L Marine Geology Laboratory. (1)</td>
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<tr>
<td>305</td>
<td>Marine Chemistry. (3) and 305L Marine Chemistry Laboratory. (1)</td>
<td></td>
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<tr>
<td>311</td>
<td>Hydrographic Techniques. (3) and 311L Hydrographic Techniques Laboratory. (1)</td>
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<tr>
<td>316</td>
<td>Sedimentary Geology. (3) and 316L Sedimentary Geology Laboratory. (1)</td>
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<td>321</td>
<td>Atmospheric Science. (3) and 321L Atmospheric Science Laboratory. (1)</td>
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<tr>
<td>331</td>
<td>Introduction to Geographic Information Systems (GIS) and Remote Sensing. (3) and 331L Introduction to Geographic Information Systems Laboratory. (1)</td>
<td></td>
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<tr>
<td>355</td>
<td>Introduction to Environmental Ecotoxicology. (3) and 355L Introduction to Environmental Ecotoxicology Laboratory. (1)</td>
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<tr>
<td>376</td>
<td>Biology of Sea Turtles. (3) and 376L Biology of Sea Turtles Laboratory. (1)</td>
<td></td>
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<tr>
<td>399</td>
<td>Independent Study/Internship. (1-4)</td>
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<tr>
<td>401</td>
<td>Environmental Chemistry. (3) and 401L Environmental Chemistry Laboratory. (1)</td>
<td></td>
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<tr>
<td>402</td>
<td>Analytical and Field Methods in Environmental Chemistry. (3) and 402L Analytical and Field Methods in Environmental Chemistry Laboratory. (1)</td>
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<tr>
<td>403</td>
<td>Environmental Internships. (3)</td>
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<td>416</td>
<td>Hydrogeology. (3) and 416L Hydrogeology Laboratory. (1)</td>
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<tr>
<td>420</td>
<td>Advanced Environmental Science. (3) and 420L Advanced Environmental Science Laboratory. (1)</td>
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LIST OF ADDITIONAL SCIENCE AND MATH COURSES AVAILABLE FOR UPPER LEVEL MAJOR CREDIT FOR THE MARINE SCIENCE DEGREE

Students can count up to 12 credits of non-MSCI courses from the following list toward their MSCI degree:

- Chemistry Courses numbered 300 and above
- Computer Science 140, 150, and courses numbered 310 and above
- Geography 201, 205
- Geology Courses numbered 300 and above
- Marine Science Courses numbered 300 and above
- Mathematics Courses numbered 240 and above, except 397
- Physics Courses numbered 300 and above
- Statistics Courses numbered 300 and above

STUDENT CLUBS AND ORGANIZATIONS

Students are encouraged to become active in student clubs and organizations on campus. Clubs are a great way for new students to meet and make friends, and for continuing students to become involved in their community. Holding a leadership position in a club or organization is a great way to enhance your resume and many scholarship committees heavily weigh a student's extracurricular activities in their funding decisions. Following is a list marine oriented clubs.

CCU Fishing Club
https://coastal.collegiatelink.net/organization/fishingclub

Our purpose is to expose members to different kinds of fishing, teach conservation, and above all have a good time.

Coastal Elasmobranch Society (CES)
https://coastal.collegiatelink.net/organization/coastalelasmobranchsocietymarine

The CES is a society devoted to raising funds for the scientific study of living and fossil
chondrichthyans (sharks, skates, rays and chimaeras).

Coastal Marine Wetlands
https://coastal.collegiatelink.net/organization/coastalmarinewetlands
The goal of this organization shall be to unite the graduate and upper class undergraduate students body though the sharing of mutual academic interest and experiences.

Coastal Saltwater Anglers
https://coastal.collegiatelink.net/organization/coastalsaltwateranglers
Coastal Carolina students addicted to saltwater fishing. Southern Kingfish Association Division 9 Open Class Tournament Team

Coastal Sea Turtle Club
https://coastal.collegiatelink.net/organization/seaturtleclub
The goal of this organization is to increase the interest and education of sea turtles and their conservation

Coastal Underwaters Divers Association (CUDA)
https://coastal.collegiatelink.net/organization/coastalunderwaterdiversassociations
CUDA is the SCUBA diving club at Coastal Carolina University. Everyone is welcome - divers and non-divers

EcoReps
https://coastal.collegiatelink.net/organization/ecorep
The Eco-Rep Program at Coastal Carolina University is designed to create awareness about sustainability and inspire behavior change through programming and educational initiatives at the university

Students for Environmental Action
https://coastal.collegiatelink.net/organization/studentsforevironmentalaction
While participating in clean-ups, recycling programs, and environmental talks, SEA looks to improve the natural quality of life at Coastal and its surrounding areas. SEA also takes trips kayaking, hiking, and visiting facilities that impact the environment. This club is open to anyone, so if you are about our planet and want to help make a difference come check it out.

CAREER EXPLORATION

Students are urged to start thinking about their plan for life after graduation during their first year at Coastal. Whether you are planning on entering the job market directly, or you are planning on continuing your education in a graduate program, it is never too early to start preparing. Gaining valuable experience through research projects and internships, as well as getting involved in clubs and volunteer work, will make your resume more attractive to employers and graduate schools. The Career Services Center is located in the The Indigo House. Students can receive job search assistance as well as career development counseling in this office.

INTERNET LINKS

UNIVERSITY WEB PAGE
www.coastal.edu
Through Coastal Carolina University's web page, students can gain access to such resources as the Kimbel Library catalog, the Virtual Career Center including part-time and full-time job
listings, information on recreational and intra-mural activities as well as information on academic departments.

MARINE SCIENCE DEPARTMENT WEB PAGE
http://www.coastal.edu/marine/index.html
Features pages for many Marine Science courses, information on the Marine Science Computer Lab and various student services. New pages are being added so keep this page bookmarked. You will also find links to relevant sites on the web featuring job listings, internships and other career information.

WEBADVISOR
https://webadvisor.coastal.edu/WebAdvisor
Using your Coastal username (e-mail address) as your login name and your Coastal PIN (Personal Identification Number) as your password, any student can access their academic or financial summaries and profiles. WebAdvisor is also used for course registration; after you have met with your Faculty Advisor and had any holds removed from your account, you can register on-line and add/drop courses as necessary.

IMPORTANT ACADEMIC ISSUES

GRADE ACCESS: Coastal Carolina University students may access final grades via WebAdvisor.

COURSE LOAD: A typical course load is 15 – 17 hours or 5 classes per semester. To take more than 18 credit hours a semester, a student must have an average GPA of 3.0 and be prepared to pay for the additional credit(s). Adding a course may be done during the Drop/Add period only. All changes in a student’s schedule require the signature of his or her adviser. Permission to add an overload must be approved by the student’s adviser and the Chair of the Department on a Special Permission form.

DROPPING A COURSE: The academic calendar lists the last day a student may drop or withdraw from a course without receiving a W/F (drop with a failing grade). Students are urged to check the schedule each semester, although many faculty include this important date on the course syllabus. Under extraordinary circumstances students can petition to withdraw from classes after the drop date. In order to do this the student must fill out a Request for Drop/Withdrawal for Extenuating Circumstances form. This form can be found in the Marine Science Department office.

GRADES OF “D”: If you receive a “D” or below in any upper-level courses taken for major credit or in any other course in which you need a “C” or better, you will be required to repeat the course (refer to section on repetition of a course).

INCOMPLETE GRADES: A grade of “I” or Incomplete is given at the discretion of the faculty member and indicates satisfactory attendance and performance, but failure to complete some part of the assigned work. After consulting with the instructor, who completes an “Assignment of Incomplete Grade” form, the student receives conditions or terms for completion of the course. Students who receive "I" grades may have up to one semester to complete the work before a grade of “F” is reported. However, the instructor determines time allowed to complete an "I" grade. The “I” grade is not computed into the GPA.

PASS/FAIL OPTION: Students are permitted to exercise the pass/fail option only on elective courses and may do so on no more than 8 courses. The student must obtain approval from both their advisor and department chair prior to enrollment in the course(s).

GRADE POINT AVERAGE: The grade point average (GPA) is computed on the basis of all hours attempted for credit, except for credit hours carried under pass/fail or audit options. The grade points
earned in any course carried with a passing grade are computed by multiplying the number of credits hours assigned to the course by the number of grade points determined by the grade.

A = 4.0  B+ = 3.5  B = 3.0  C+ = 2.5  C = 2.0  D+ = 1.5  D = 1.0

The grade point average is determined by dividing the total grade points earned by the total number of grade hours attempted.

**PROBATION and SUSPENSION:** Any student who is not making “Satisfactory Academic Progress” will be put on either academic probation or they will be suspended. The details of this policy can be found in the CCU student handbook and the CCU catalog. It is recommended that you consult with your faculty advisor and seek help and assistance if you believe or know that your Grade Point Average is below a 2.0.

**REPEITION OF A COURSE:** A student may repeat a course, which has been passed in order to raise the grade, only in the event that the department requires a higher grade in the course. A student who repeats the course will have both grades entered on the permanent academic record and computed into the grade point average. Course credit toward graduation will be given only once, unless otherwise stipulated, in the course description. Students can opt for an exception to this rule through the “Repeat Forgiveness” policy (see below).

**REPEAT FORGIVENESS OF A COURSE:** A student may elect to count up to 13 credits of specific courses for Repeat Forgiveness. Students must submit a Course Repeat Request form by the end of the drop/add period for the semester in which the course is being repeated. Under this policy, the grade for both the original and the later course appear on the transcript, but only the latter grade is included in the GPA calculation. Only courses with a grade of C or lower can be repeated.

**GRADUATING WITH HONORS:** Graduation with honors will be based on a cumulative GPA calculated on the basis of all work in the student’s postsecondary career, including any attempted at other institutions, provided that the GPA achieved at Coastal meets the level specified for the honors sought. This calculation will include all courses attempted, not just those submitted in fulfillment of graduation requirements.

To graduate with honors, a student must have earned at least 60 credit hours applicable toward the degree in residence at Coastal. Courses taken as a transient student at another institution, by correspondence, by examination, or credits earned through military credentials are not considered “in residence”.

**CORE CURRICULUM:** All students at CCU must complete an extensive round of core courses to ensure a well-rounded liberal arts education. Many departments encourage their majors to finish these courses as soon as possible. This is NOT a good idea for science majors because most upper level major courses include a laboratory. Scheduling and taking 4 lab courses in one semester is extremely difficult. Therefore, students should plan their schedules to include at least one non-lab course for each semester of their college career.

**CORE CURRICULUM WAIVERS:** If a course has transferred in from another school which does not exactly fulfill a core requirement, but the advisor and the student feel that it fulfills the intent of the core (see University Catalog for description of Core Curriculum goals), a **Petition for Exception to Core Curriculum Requirements** form can be submitted for review to the Core Curriculum Committee. This form can be found either in the Marine Science office or the Registrar’s Office. After all the necessary signatures have been obtained, the student must make a copy of the petition to place in his/her file and then turn the original petition into the Dean of the School of Natural and Applied Sciences. The Dean will forward the petition on to the core curriculum committee. Please note that this process may take two months or more and it is the student's responsibility to follow up.

**MARINE SCIENCE INTERNSHIPS:** Local internships are available through CCU each semester, or if they wish, students can identify their own internships either locally or outside of the area. Any internship arranged by the student must be approved in advance by the Internship Committee. Students
can obtain an internship packet through the Marine Science Department Student Services Coordinator or their Faculty Advisor. The student makes their choices for an internship, fills out the application and turns it in along with a copy of their resume and a faculty recommendation by the posted deadline. The faculty then notifies their advisor as to which internship they were chosen for. Students must have completed one upper level Science course (300 level or above) with at least a "C" and have an overall GPA of 2.5 before they can apply for Internships. No more than six (6) hours of independent study, internship, and/or directed undergraduate research and/or senior thesis may be used for major credit.

**STUDENT RESEARCH PROJECTS**: Marine Science students are strongly encouraged to complete a directed undergraduate research project and/or a senior thesis project. It is the Department's core philosophy that students benefit greatly from hands on experience and this training will prove invaluable once the student has graduated and finds himself/herself competing in the job market or applying to graduate schools. In order to sign up for either class the student must fill out a Contract for Research Work, an Instructional/Course Contract for Non-Traditional Study form, and a Special Permission form. Once all the necessary signatures have been obtained, the student then takes the Special Permission form to the Registrar's office to be enrolled in the class. No more than six (6) hours of independent study, internship, and/or directed undergraduate research and/or senior thesis may be used for major credit.

**GRADUATE STUDY IN MARINE SCIENCE**: Many careers in Marine Science, such as being a Research Scientist in either industry or with the government, Marine Policy Law, and Teaching and Research at a College or University, require either a master’s or a Ph.D. degree. Students who are interested in attending graduate school are encouraged to begin the application process in their junior year.

**TRANSFER CREDIT ADJUSTMENTS**: A student’s advisor should evaluate his/her Transfer Credit Report. If the advisor/student does not agree with how one or more of the courses have been transferred into CCU, a Transfer Credit Evaluation Adjustment Form needs to be filled out. This form can be found in the Marine Science Office, room 105. This form should be filled out by the advisor and then the student should obtain the signatures from the Department Chair of the Marine Science Department, and also the Dean of the School of Natural & Applied Sciences. Please note that the student also needs to get the signature from the Chair of the Department of the course in which they wish to adjust.

**SPECIAL ENROLLMENT REQUESTS**: Special Enrollment Request Forms are used in the following instances, Transient Study, Transient Study through the National Student Exchange Program, Transient Study Abroad, Concurrent Enrollment, Cooperative Education, and Correspondence Courses. If a student is planning on taking any classes anywhere besides Coastal Carolina University, the student needs to fill out a Special Enrollment Request Form to ensure that the course will transfer.** This form can be found in the Marine Science Department Office. After the student has completed the course, they should request that a copy of the transcript for that course be sent to Coastal. Once the transcript has been sent and the Registrar’s Office has been given enough time to enter the course into the student’s records, then the student should request a copy of their Transfer Credit Report, either from the Administrative Assistant in the Marine Science Department, or by the Registrar’s Office to ensure that the class was transferred correctly.

**Notes**: Courses will not be accepted for transfer if the student has previously failed to earn the required grade in an equivalent course at CCU. The student’s last 30 credits must be CCU courses completed “in residence”, however, a general petition may be submitted to request that the 30-credit hour rule be waived. Also the student may petition to take a course at another school in which s/he has failed to earn the required grade at CCU. See explanation of General Petition procedures below.
### MARINE SCIENCE ADVISEMENT RECORD (UNOFFICIAL)

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**Core requirements for Mathematical Concepts and Scientific Concepts:**

- MATH 160 (or equivalent)
- CHEM 111, 111L
- CHEM 112*, 112L*

**Humanistic Concepts:**

- Choose one course from the following:
  - COMM 150
  - ENGL 205, 231
  - HIST 101, 102, 200, 202
  - POLI 101
  - THEA 130

**Global Awareness:**

- Choose one of:
  - ANTH 102, 210
  - CBAD 120, 203
  - ECON 150
  - ENGL 275
  - GEOG 121
  - HIST 111, 112
  - POLI 101
  - RELG 103
  - An approved study abroad course

**Creative Expression:**

- Choose one of:
  - ARTH 105, 106, 107
  - ARTS 102
  - ENGL 201
  - MUS 110, 124A, 125, 134, 257, 258
  - THEA 101

**Human Health & Behavior:**

- Choose one of:
  - ECON 110
  - EXSS 122
  - HPRO 121
  - RSM 120
  - PSYC 101
  - SOC 101
  - WGST 103

**Structure & Development of the United States:**

- Choose one of:
  - HIST 201
  - POLI 201

**Final responsibility for satisfying degree requirements as outlined in the University catalog rests with the student.**

- Read and Understood: __________________________
- Date: ____________________

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**IV. ELECTIVES (To Achieve At Least 120 Credits)**

- MATH 161
- PHYS 211*, 211L*
- PHYS 212*, 212L*
- STAT 201*, 201L*

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**Recommended: C or better is required; * Core requirements for Mathematical Concepts and Scientific Concepts; † Core requirements for Mathematical Concepts and Scientific Concepts; ** Required for first semester freshmen; # ENGL 101 is exempt (without credit) under the following conditions: a score of 600 or higher on the SAT writing test or a score of 24 or higher on the ACT writing test.**

(Revised 06/25/2013)